

#1

SCHNIZER 09/627,787

=> d his

(FILE 'HOME' ENTERED AT 12:08:42 ON 27 SEP 2001)

FILE 'REGISTRY' ENTERED AT 12:08:50 ON 27 SEP 2001

L1 STR
 L2 SCREEN 1838
 L3 33 S L1 AND L2 *all*
 L4 893893 S PMS/CI *polymers*
 L5 28 S L1 AND L2 SSS SAM SUB=L4
 L6 619344 S L4 NOT SI/ELS AND NC<4
 L7 37 S L1 AND L2 SSS SAM SUB=L6
 L8 19386 S L1 AND L2 SSS FUL SUB=L6 *full search*
 L9 798843 S 591.49.57/RID OR OC5-C6/ES OR OC4-OC5-C6-C6/ES OR
 OC4-OC5- *L9-formulae*
 L10 1465 S L8 AND L9 *for claimed*
nyrin
cl 9

FILE 'HCAPLUS' ENTERED AT 12:30:17 ON 27 SEP 2001

L11 1149 S L10
 L12 4 S L11(L)?CONJUGAT?
 L13 15 S L11 AND ?CONJUGAT?
 L14 1643848 S FLUORO? OR FLUORE? OR MACROMOL? OR ?MEMBRAN? OR TRANSPORT?
 L15 183 S L11 AND L14
 L16 585556 S FLUORO? OR FLUORE?
 L17 149 S L16 AND L15
 L18 9 S L17 AND (MACROMOL? OR ?MEMBRAN? OR TRANSPORT?)
 L19 1 S L11 AND (DNA OR NUCLEIC OR ?NUCLEOTI? OR ?NUCLEOSID?)
 L20 5 S L11 AND (MEDIC? OR PHARMA? OR DRUG OR DIAGNOSTIC)
 L21 6 S L19-20 *6 cites*

FILE 'REGISTRY' ENTERED AT 12:45:11 ON 27 SEP 2001

E FLUORESCIN/CN
 L22 1 S E3
 L23 10200 S 7938.12.8/RID
 L24 0 S L23 AND L8
 L25 57815 S 2508.17.45/RID
 L26 151 S L8 AND L25
 L27 STR L1
 L28 STR L27
 L29 STR L28
 L30 SCREEN 1839 AND 2006
 L31 STR L29
 L32 50 S L31 AND L30 SSS SAM SUB=L8
 L33 4246 S L31 AND L30 SSS FUL SUB=L8 *subset search, 4246 cps*
 SAVE L33 SCH787P/A

FILE 'HCAPLUS' ENTERED AT 13:05:08 ON 27 SEP 2001

L34 2777 S L33
 L35 104 S L34(L)BIOL/RL
 L36 289 S L14 AND L34
 L37 2 S L34 AND (DNA OR NUCLEIC OR ?NUCLEOTI? OR ?NUCLEOSID?) *2 cites*
 L38 53 S L34 AND (MEDIC? OR PHARMA? OR DRUG OR DIAGNOSTIC OR DELIV?)
 L39 308882 S FLUOROPHOR? OR FLUORESC?
 L40 17 S L39 AND L36
 L41 6 S L33(L)?CONJUGAT?
 L42 22 S L33 AND ?CONJUGAT?

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L43 11 S L42 AND (BIOL/RL OR DRUG OR ?MOLECUL? OR CYCLOSPORIN)
L44 11 S L42 NOT L43 *11 cites*
L45 16 S L40 NOT (L37 OR L43 OR L44) *16 cites*

FILE 'REGISTRY' ENTERED AT 13:22:17 ON 27 SEP 2001

L46 15140 S L8 NOT L33
L47 13932 S L46 NOT L10 *← remaining cpts from L8 not yet*

FILE 'REGISTRY' ENTERED AT 13:22:52 ON 27 SEP 2001

L48 13932 S L47
L49 11 S L48 AND (DNA OR NUCLEIC OR ?NUCLEOTI? OR ?NUCLEOSID?)
L50 11 S L48 AND (DNA OR NUCLEIC OR OLIGONUCL? OR NUCLEOTID? OR
NUCLEO
L51 3 S L48 AND ("ADENYL" OR "GUAN" OR "CYTO" OR "THYMID")
L52 14 S L49-51
L53 13918 S L48 NOT L52

crossed to CA

FILE 'HCAPLUS' ENTERED AT 13:36:21 ON 27 SEP 2001

L54 2 S L52 *2 cites*
L55 8178 S L53
L56 57 S L55 AND (DNA OR NUCLEIC OR ?NUCLEOTI? OR ?NUCLEOSID?)
L57 141 S L55 AND L39
L58 96 S L55(L)?CONJUGAT?
L59 370 S L55 AND (MEDIC? OR PHARMA? OR DRUG OR DIAGNOSTIC OR DELIV?)
L60 5 S L56 AND L57
L61 8 S L56 AND L58
L62 15 S L56 AND L59
L63 9 S L57 AND L58
L64 18 S L57 AND L59
L65 43 S L60-64
L66 43 S L65 NOT (L54 OR L43-45) *43 cites*
L67 18 S (L55 OR L34 OR L11) AND ?FLUORESC EIN?
L68 7 S L67 NOT (L54 OR L66 OR L43-45) *7 cites*
L69 11 S L67 NOT L68 *11 cites*

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=> d que 111
L1

STR ?

O/N
↓

7
G3
|||

← S/N/O

Cb~G1~G2~C~Ak
1 2 3 4 5

10
O
|||
Q~C~Ak
@11 9 @8

Q = any atom but H or C

└──────────┘
|

repeating
group for G1

REP G1=(0-20) 11-1 8-3
VAR G2=O/N
VAR G3=S/N/O
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 1
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L2 SCR 1838

L4 893893 SEA FILE=REGISTRY ABB=ON PLU=ON PMS/CI

L6 619344 SEA FILE=REGISTRY ABB=ON PLU=ON L4 NOT SI/ELS AND NC<4

L8 19386 SEA FILE=REGISTRY SUB=L6 SSS FUL L1 AND L2

L9 798843 SEA FILE=REGISTRY ABB=ON PLU=ON 591.49.57/RID OR OC5-C6/ES
OR OC4-OC5-C6-C6-C6/ES OR OC4-OC5-C6-C6-C6-C6/ES OR
C6-C6-C6/ES

L10 1465 SEA FILE=REGISTRY ABB=ON PLU=ON L8 AND L9

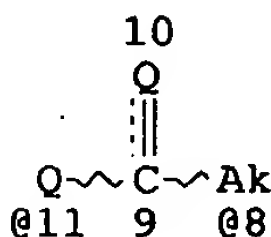
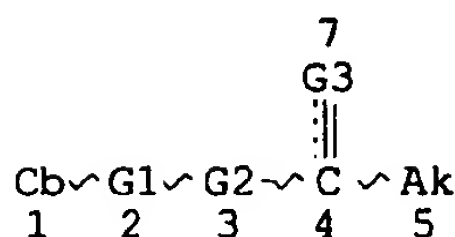
L11 1149 SEA FILE=HCAPLUS ABB=ON PLU=ON L10

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=> d que 134 0
L1

STR

parent STR (same as previous page)



REP G1=(0-20) 11-1 8-3

VAR G2=O/N

VAR G3=S/N/O

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS UNS AT 1

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L2 SCR 1838

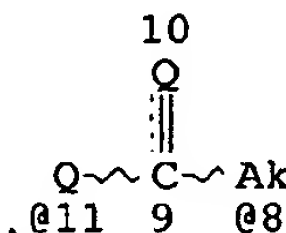
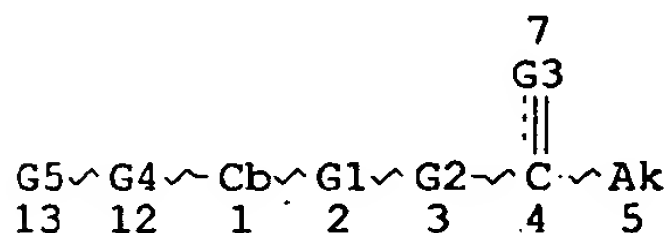
L4 893893 SEA FILE=REGISTRY ABB=ON PLU=ON PMS/CI

L6 619344 SEA FILE=REGISTRY ABB=ON PLU=ON L4 NOT SI/ELS AND NC<4

L8 19386 SEA FILE=REGISTRY SUB=L6 SSS FUL L1 AND L2

L30 SCR 1839 AND 2006

L31 STR 0 subset STR



Cb @14 Hy @16 Hy @18

all 9 rings
G5
Hy @20 Cb @22 Cb @23

repeating group

all 9 rings
(G5)

REP G1=(0-8) 11-1 8-3

VAR G2=O/N

VAR G3=S/N/O

REP G4=(1-3) A

VAR G5=14/16/18/20/22/23

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS UNS AT 1

GGCAT IS MCY UNS AT 14

GGCAT IS PCY UNS AT 16

GGCAT IS PCY UNS AT 18

GGCAT IS PCY UNS AT 20

GGCAT IS PCY UNS AT 22

GGCAT IS PCY UNS AT 23

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS E6 C AT 14

ECOUNT IS E20 C E2 O AT 16

a/27(0)

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ECOUNT IS E26 C E2 O AT 18
ECOUNT IS E9 C E1 O AT 20
ECOUNT IS E10 C AT 22
ECOUNT IS E14 C AT 23

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
L33 4246 SEA FILE=REGISTRY SUB=L8 SSS FUL L31 AND L30
L34 2777 SEA FILE=HCAPLUS ABB=ON PLU=ON L33